MOTORCYCLE RIDER TRAINING RESEARCH AND CURRICULUM DEVELOPMENT

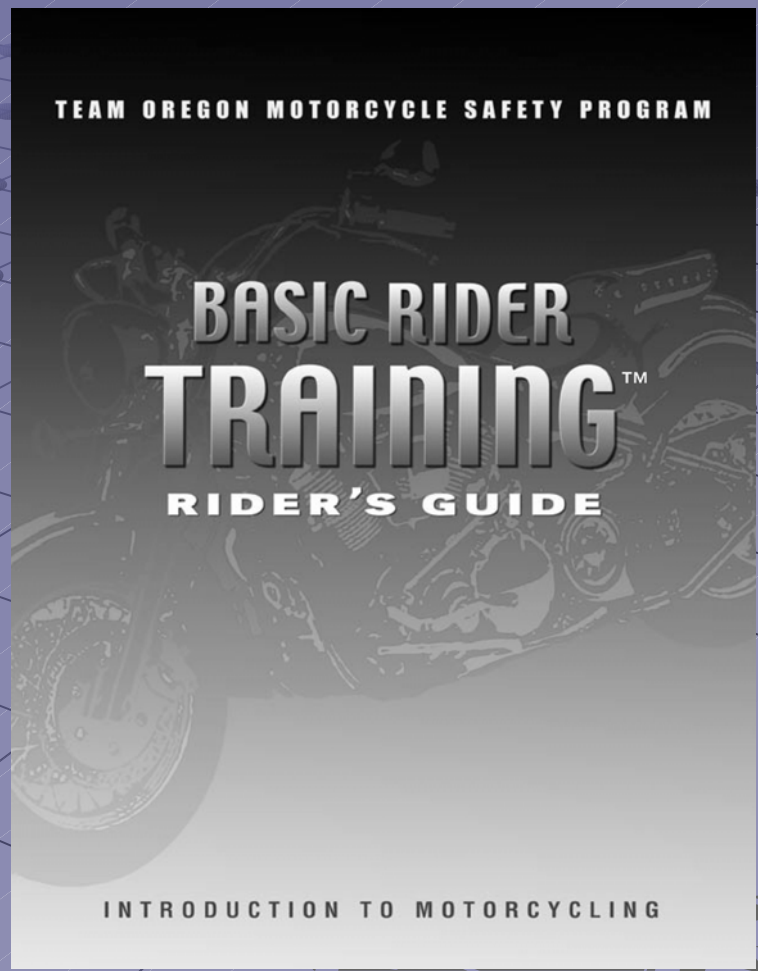
Steve Garets, Director
TEAM OREGON
Motorcycle Safety Program

TEAM OREGON
Motorcycle Safety Program

- Established in 1984
- Sponsored by Oregon Dept of Transportation
- ODOT contracts with Oregon State University – TEAM OREGON
  - Manage day-to-day operations
    - Statewide rider education and training
    - Instructor training and certification maintenance
    - Site readiness, fleet maintenance
    - Student registration
    - Centralized Instructor scheduling and payroll
    - Quality assurance
    - Research

TEAM OREGON
Statewide Rider Training Services

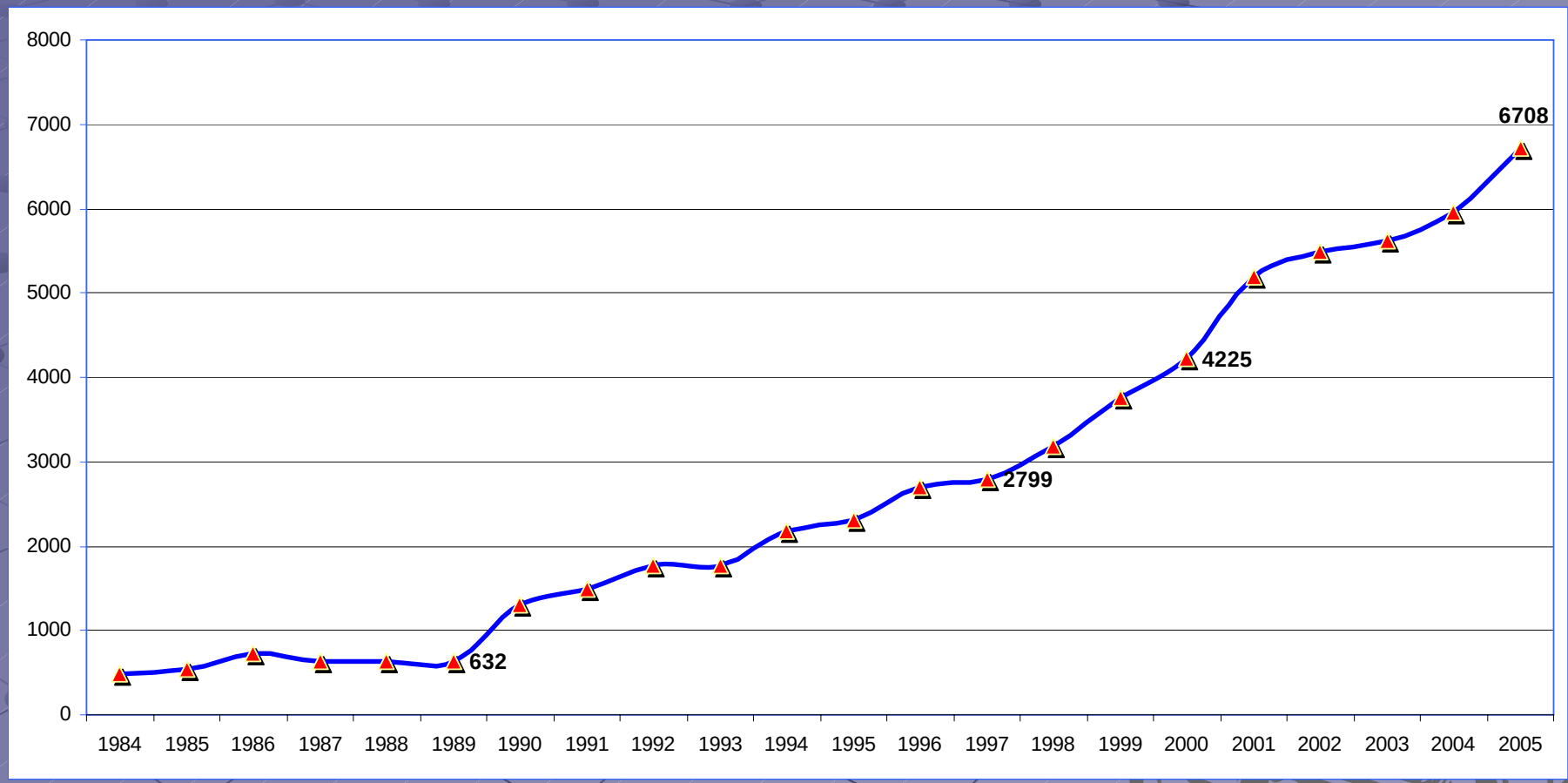
- Beginning Rider Programs
  - Basic Rider Training (BRT)
  - Intermediate Rider Training (IRT)
- Experienced Rider Programs
  - Rider Skills Practice (RSP)
  - Advanced Rider Training (ART)
- Law Enforcement Training
  - Basic Motor Officer Training
  - Police Advanced Rider Training
  - Police High Speed Training



MOTORCYCLE SAFETY PROGRAM


TRAINING
LOCATIONS

MOTORCYCLE RIDER TRAINING 1984-2005



CHRONOLOGY

- 2001
  - MSF Releases BRC
  - BRC Task Force Formed to Study BRC
  - TEAM OREGON Staff (4) Attend Learning Center
- 2002
  - BRC Field Test
- 2003
  - Complete BRC Field Test
  - Begin Development BRT and IRT RG and IG
  - Field Test BRT Classroom

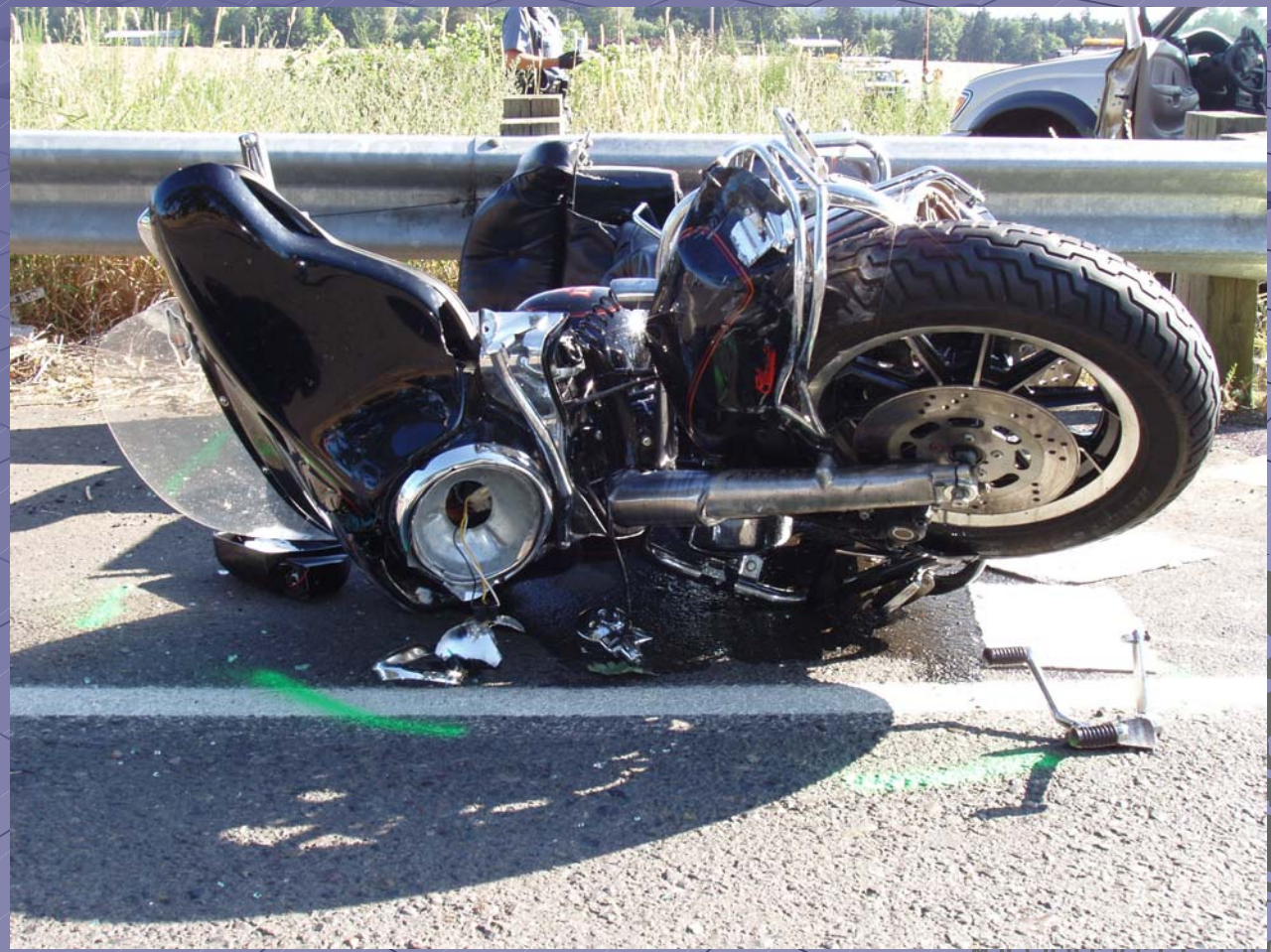
TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

CHRONOLOGY

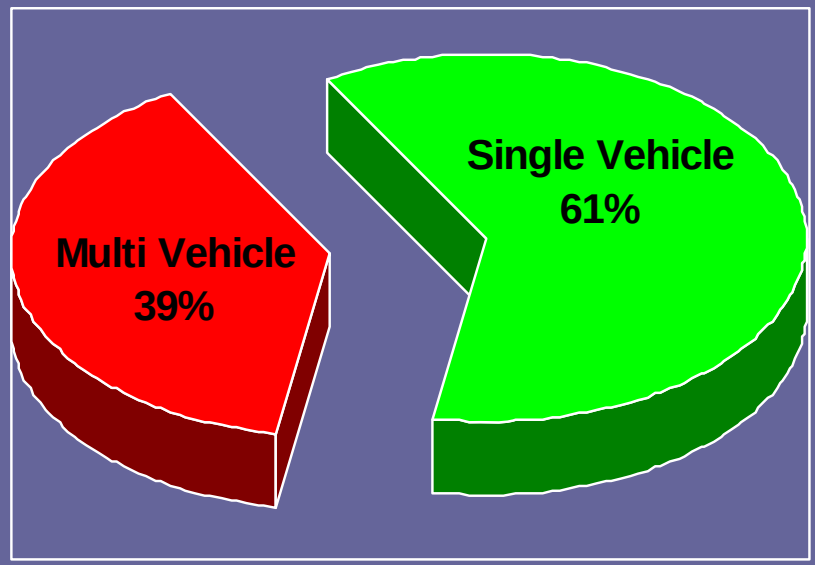
- 2004
  - Deploy BRT and IRT Classroom
  - Begin Development of BRT and IRT Range
  - Field Test BRT Range
- 2005
  - Deploy BRT and IRT Range
  - Begin Development of RSP
- 2006
  - Deploy RSP

TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

OREGON CRASH CAUSATION FACTORS

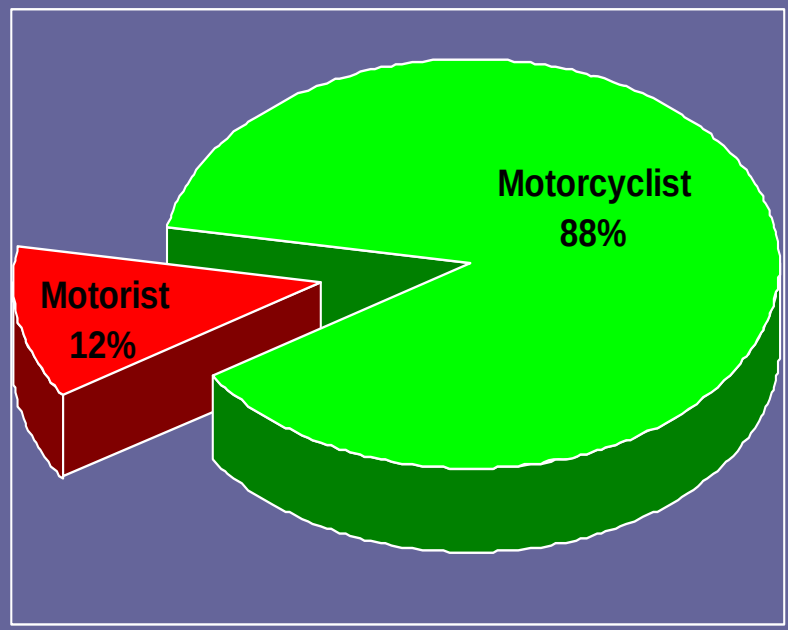


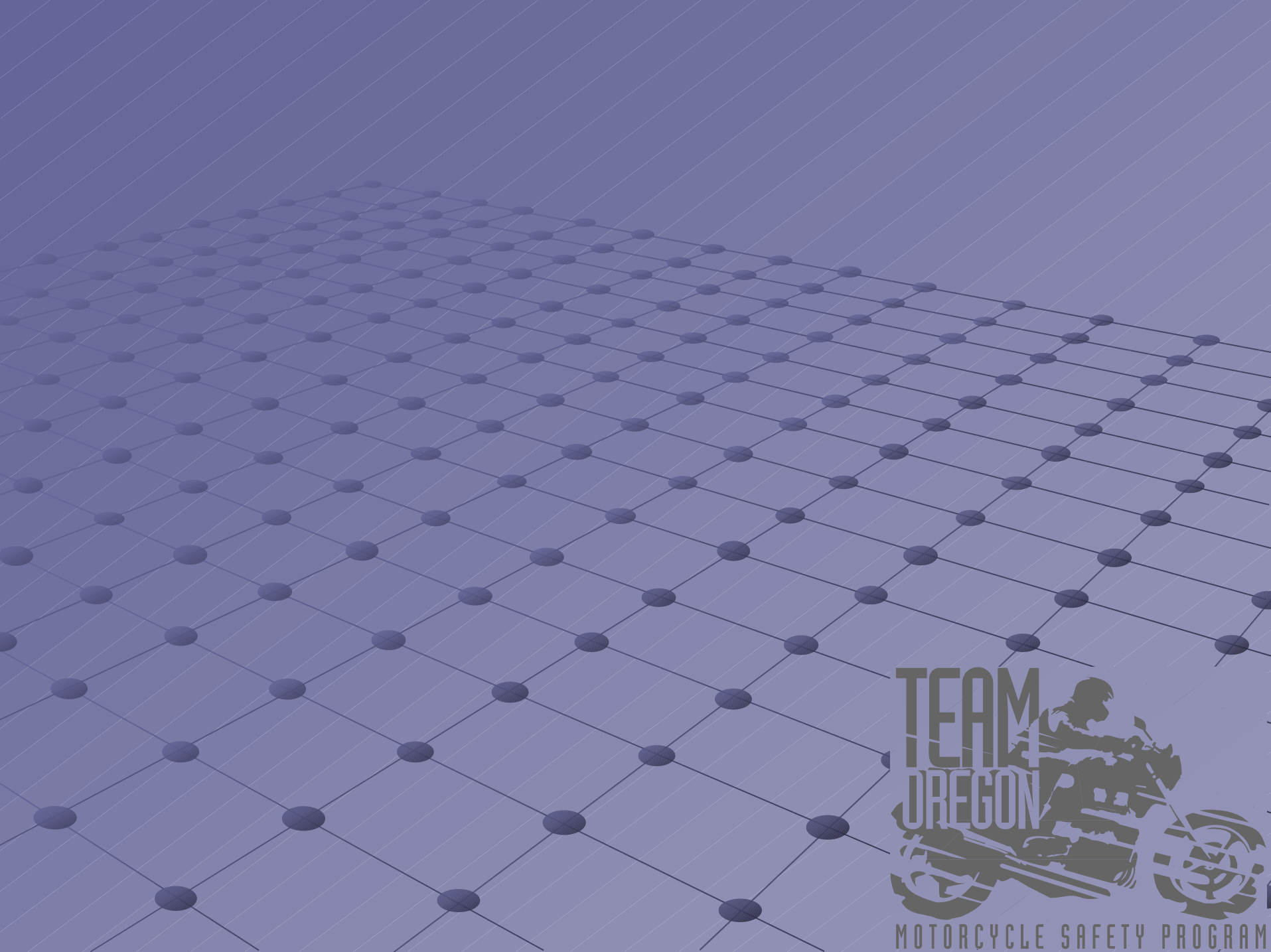
2003 Oregon Motorcycle Fatal Data



OREGON
MOTORCYCLE SAFETY PROGRAM

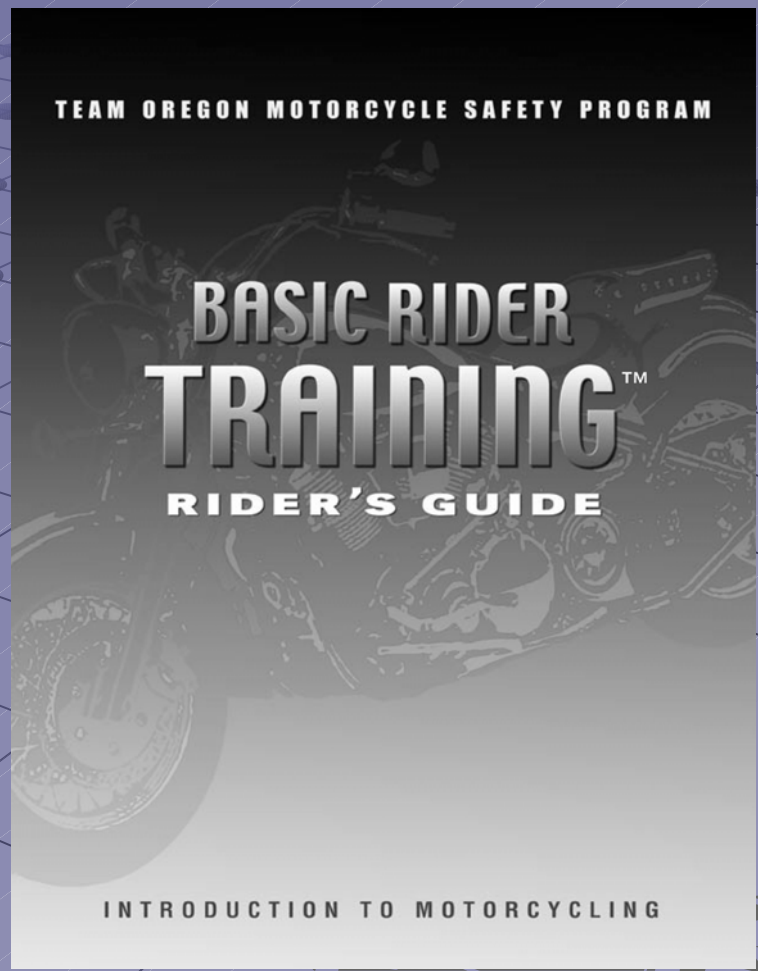
Who was at fault in those accidents?




TEAM
OREGON
MOTORCYCLE SAFETY PROGRAM

BRT CLASSROOM FIELD TEST

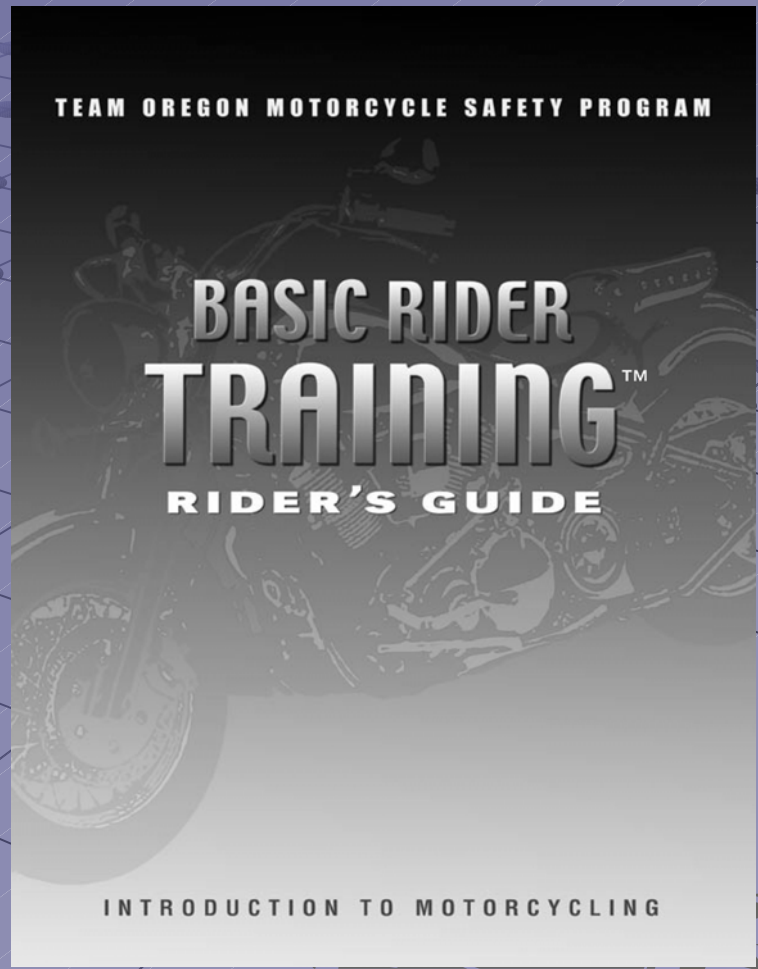
- June 15-Sept 15, 2003
- 30 FT Courses
- 25 Instructors Participated
  - 4 Instructor Updates
- 529 Students Trained & Tested
- 532 Students/27 MRC:RSS Courses Studied for Control Group



MOTORCYCLE SAFETY PROGRAM

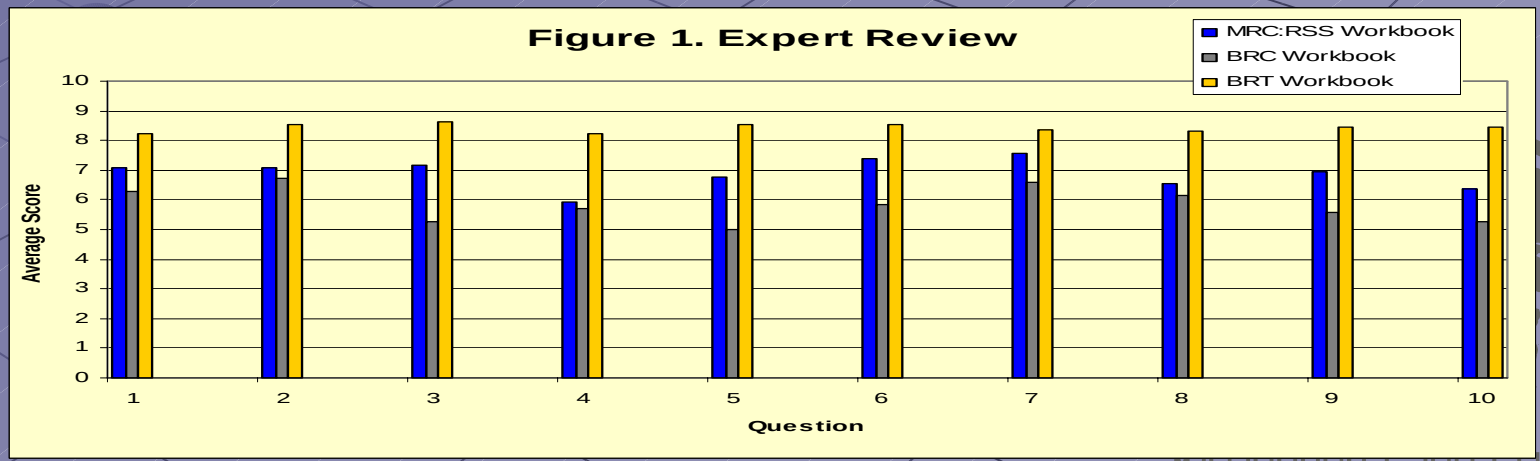
BRT CLASSROOM FIELD TEST EVALUATION MEASURES

- Expert Review
- Instructor End-of-Course Evaluations
- Knowledge Test Results



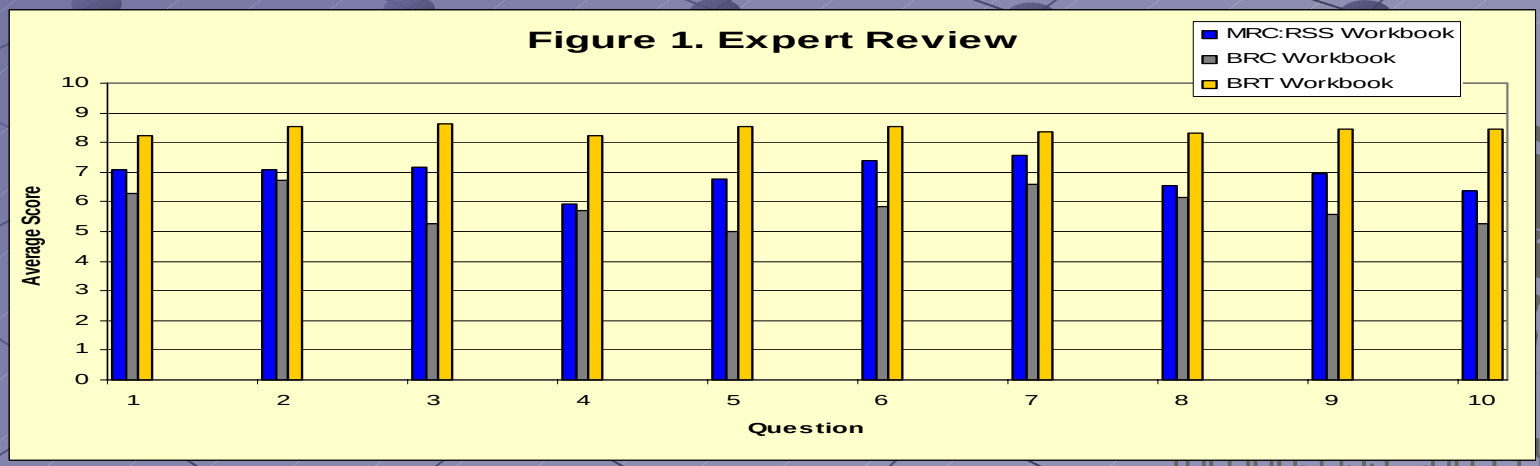
BRT CLASSROOM FIELD TEST EVALUATION MEASURES

1. Provides a logical learning sequence for novice rider
2. Uses appropriate vocabulary and level of technical info for novice
3. Covers what novice needs to know
4. Keeps extraneous information to a minimum
5. Provides for development of strategies to see/be seen



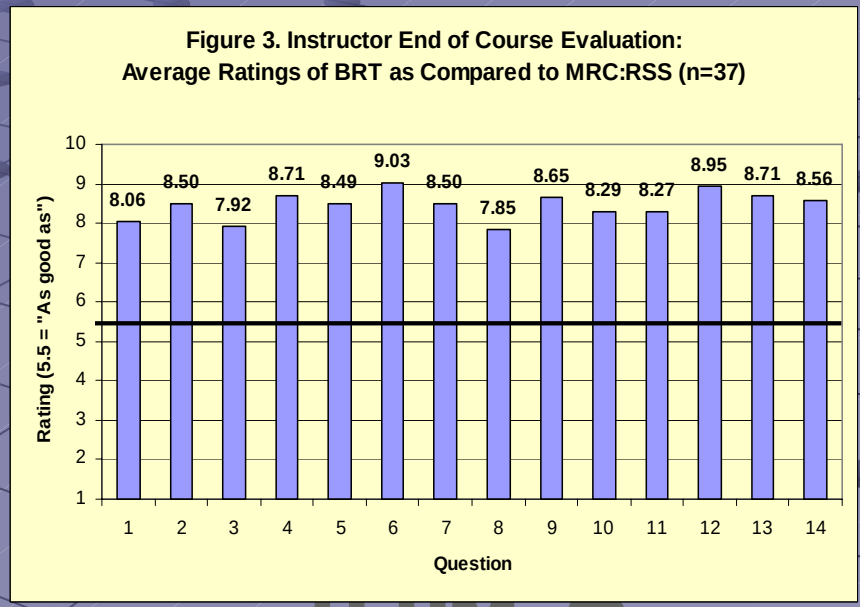
BRT CLASSROOM FIELD TEST EVALUATION MEASURES

6. Provides for development of defensive riding strategies
7. Provides for development of knowledge to select and use protective gear
8. Provides for development of strategies to recognize the effects and on-set of impairments
9. Emphasizes rider responsibility
10. The graphics are easily understood, support student learning, and accurately augment what is presented in text.



BRT CLASSROOM FIELD TEST EVALUATION MEASURES

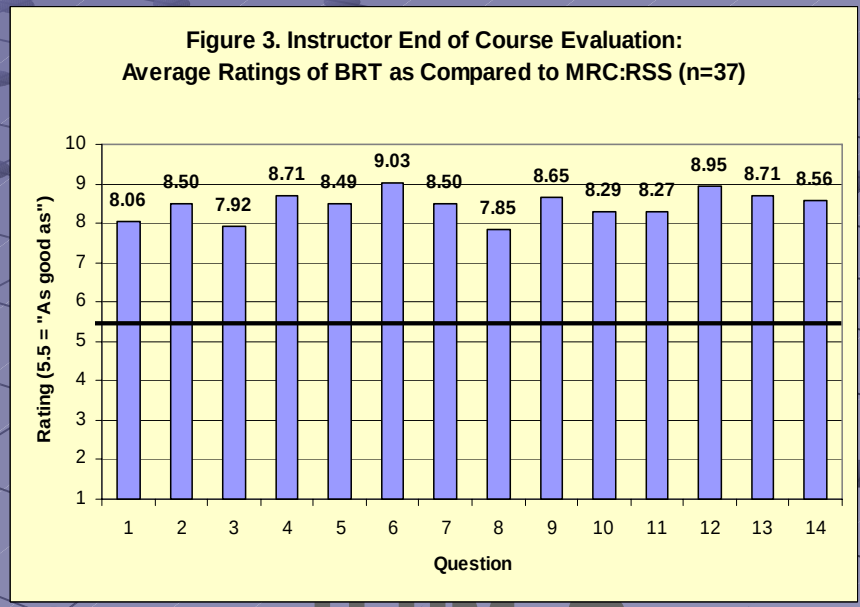
1. Adequate time is allotted
2. WB provides level of appropriate detail
3. End of unit questions provide adequate review
4. Illustrations are easily understood/ support text
5. Transparencies are easy to understand/lead from
6. Treatment of cornering
7. Treatment of impairments



TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

BRT CLASSROOM FIELD TEST EVALUATION MEASURES

8. Treatment of protective gear
9. Treatment of see and be seen
10. Treatment of defensive riding
11. Treatment of emergency maneuvers
12. IG provides adequate instructor information
13. IG easy to use
14. IG provides adequate instructor information



TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

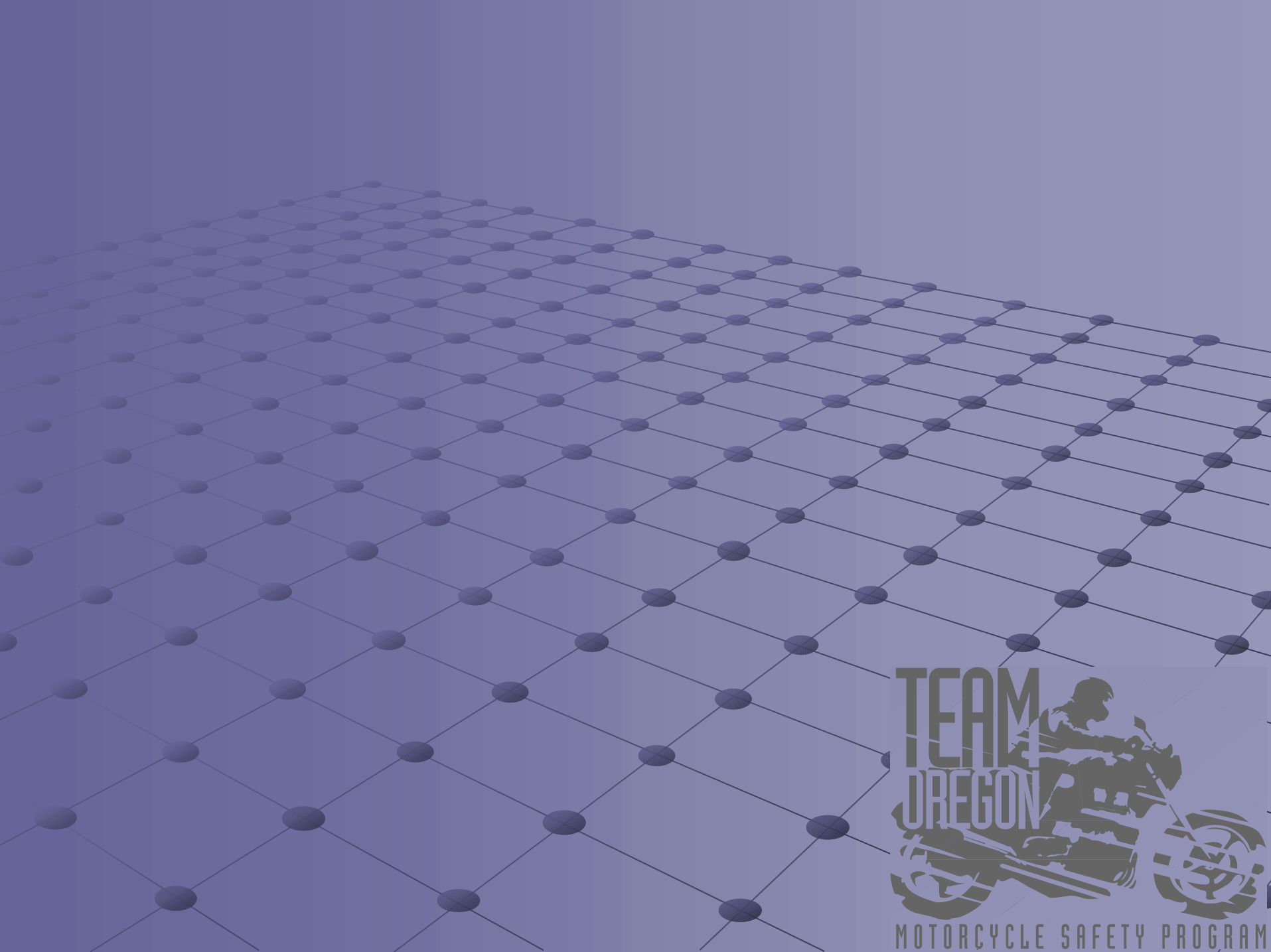
Comparative Assessment of Basic Rider Training Materials for the BRT & BRC

Illinois State University Extended University Internet Site

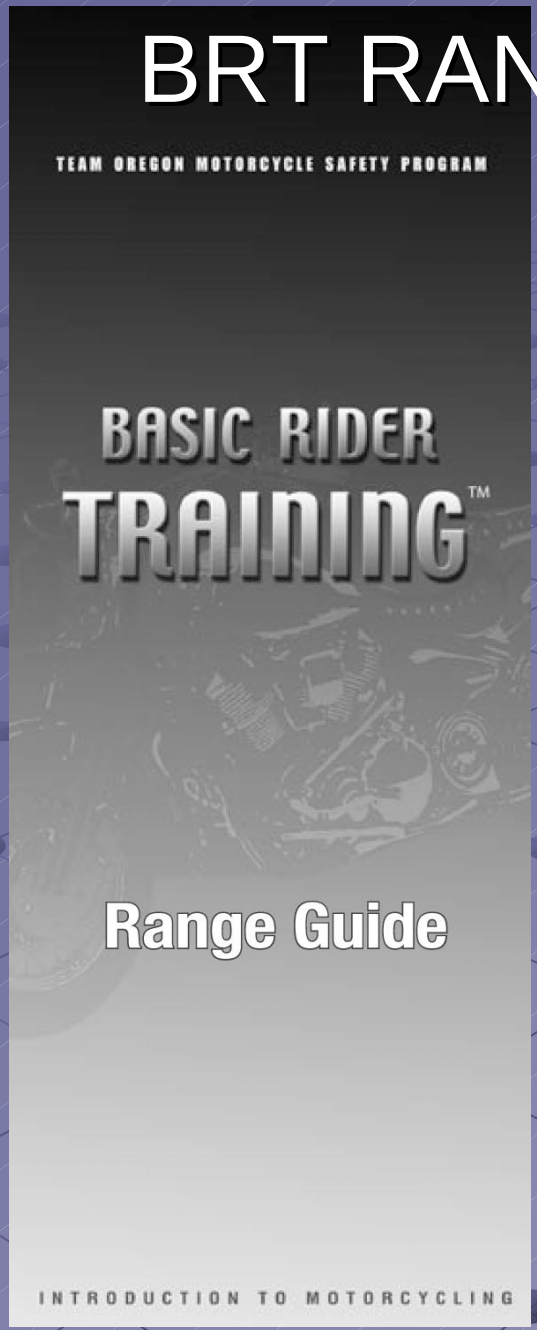
http://www.exu.ilstu.edu/pdf/CycleRpt_webcopy.pdf

Marion M. Micke, Ph.D., CHES

Illinois State University


TEAM
OREGON
MOTORCYCLE SAFETY PROGRAM

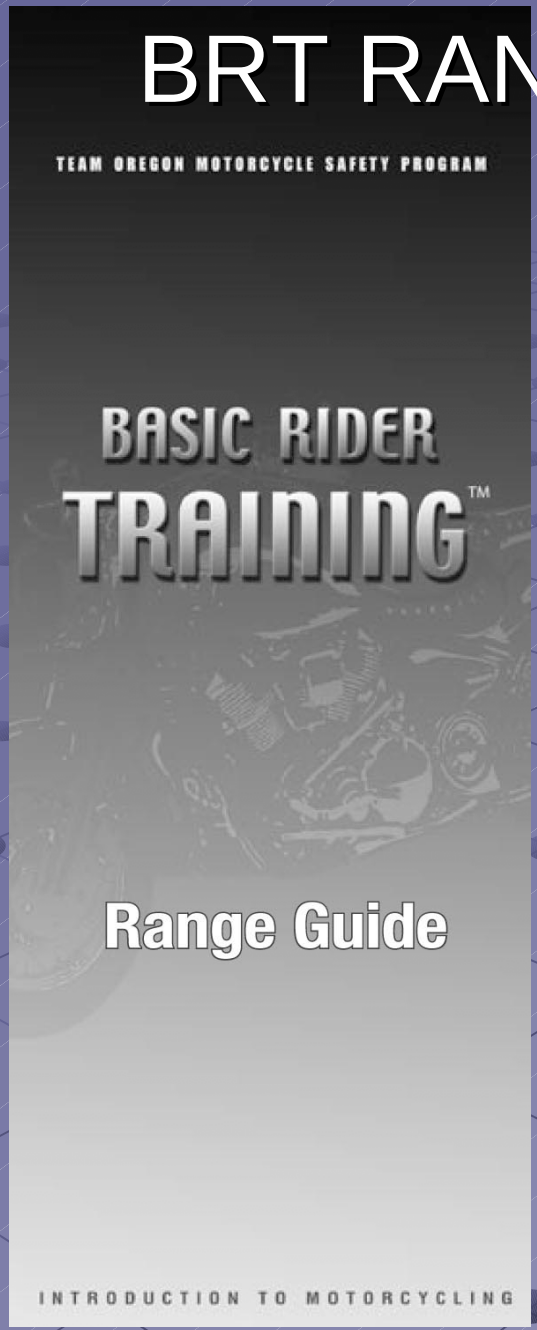
BRT RANGE DEVELOPMENT PROCESS



- Literature Review, Interviews
- Study Crash Data
- Define Field Test Protocol and Performance Measures
- Define Guiding Principles

TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

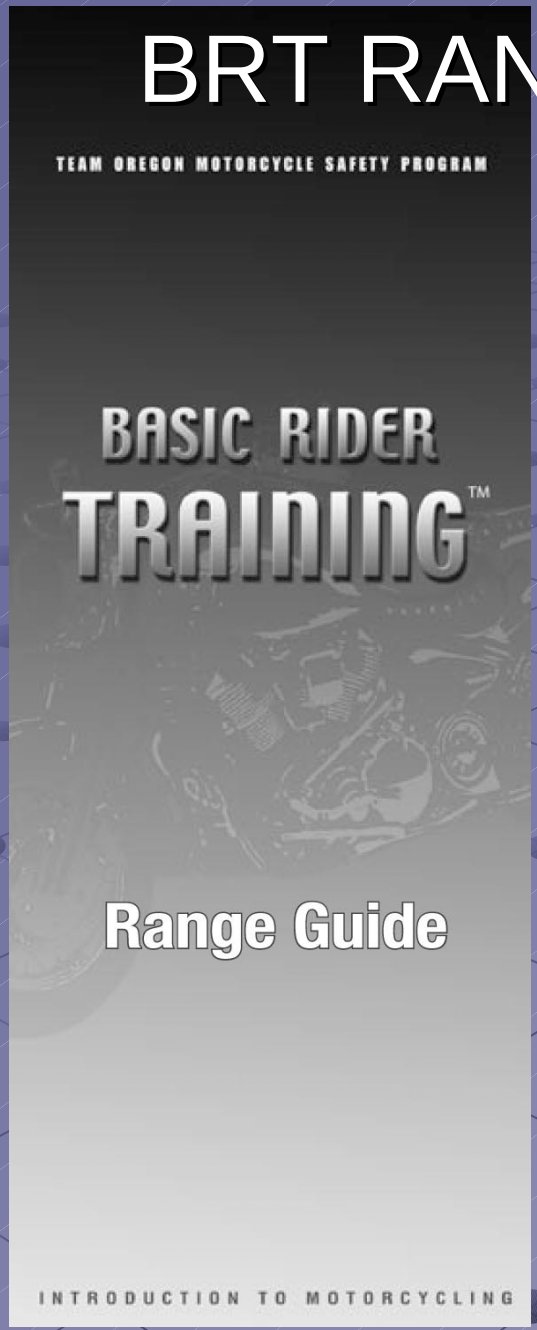
BRT RANGE DEVELOPMENT PROCESS



- Set Schedule
- Identify Skill Sets
- Develop Curriculum
- Beta Test
- Produce Draft Materials
- Identify & Train Instructors

TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

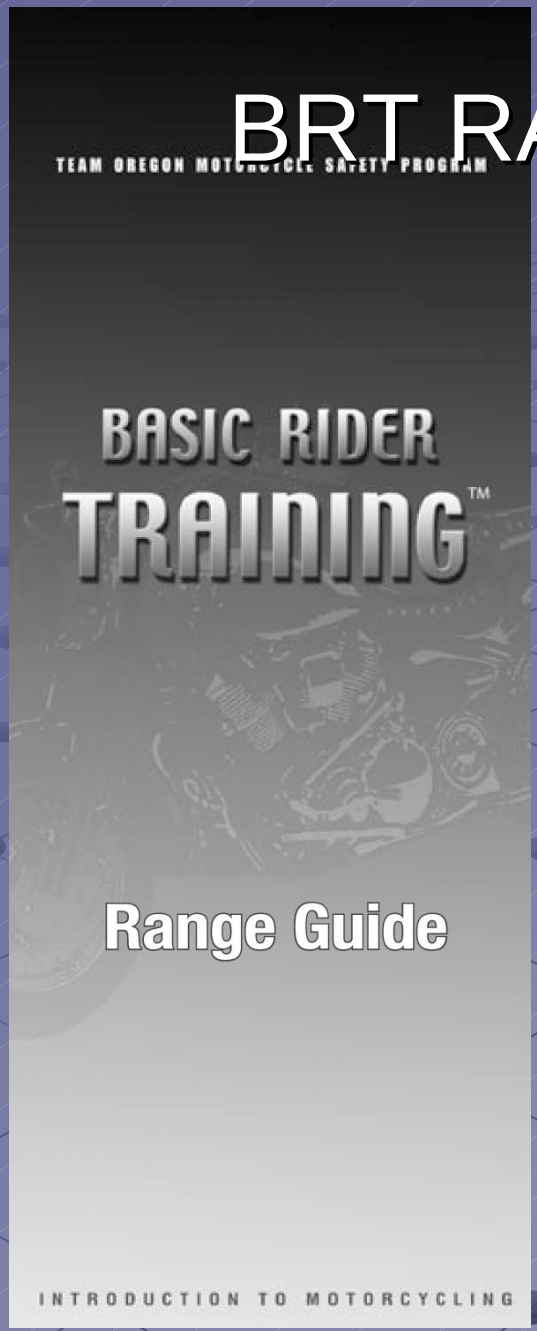
BRT RANGE DEVELOPMENT PROCESS



- Conduct Field Test
- Document Findings
- Interview Participants
- Examine Findings
- Form Recommendations
- Produce Reports
- Produce Materials

TEAM OREGON MOTORCYCLE SAFETY PROGRAM

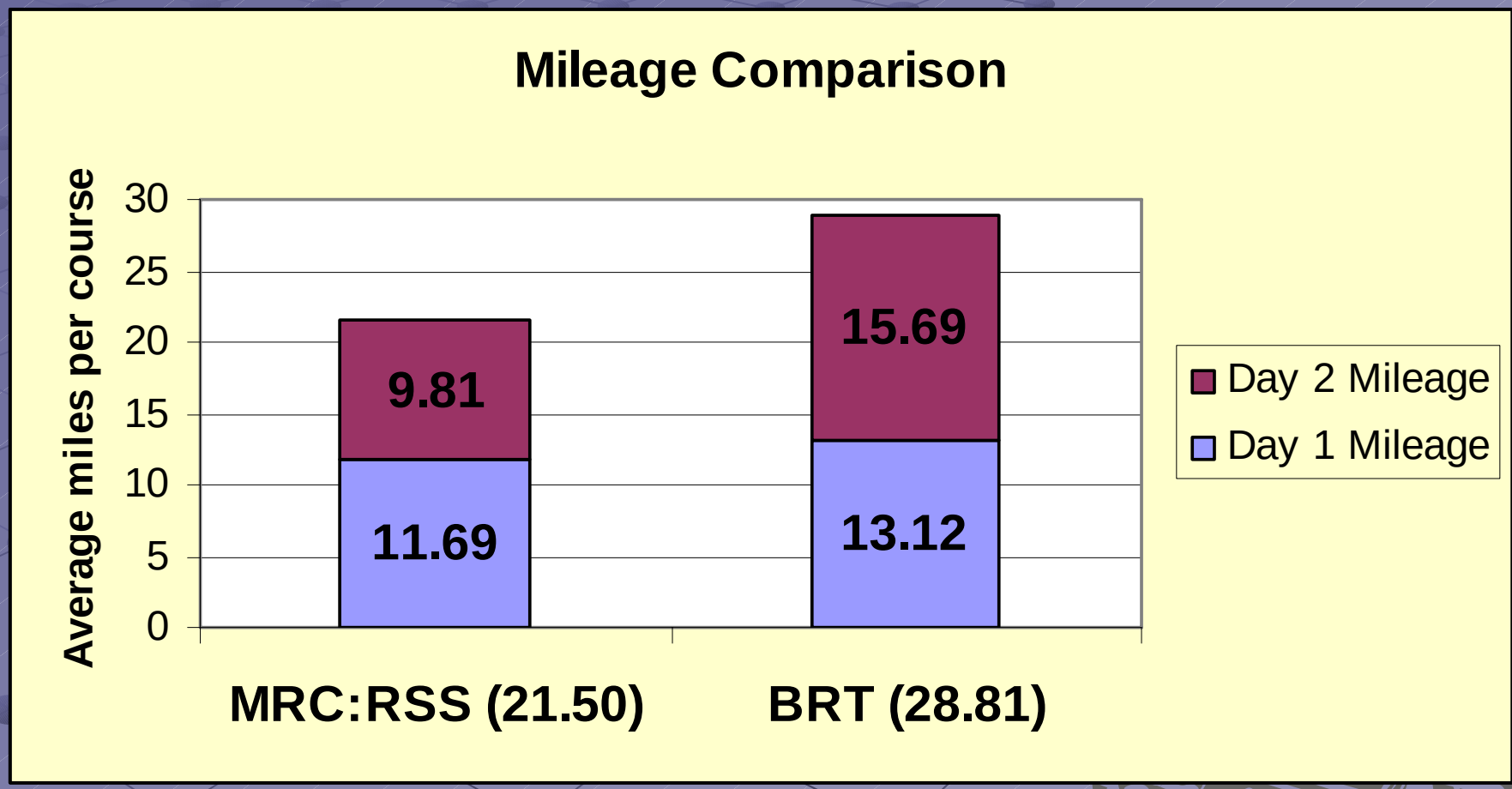
BRT RANGE FIELD TEST



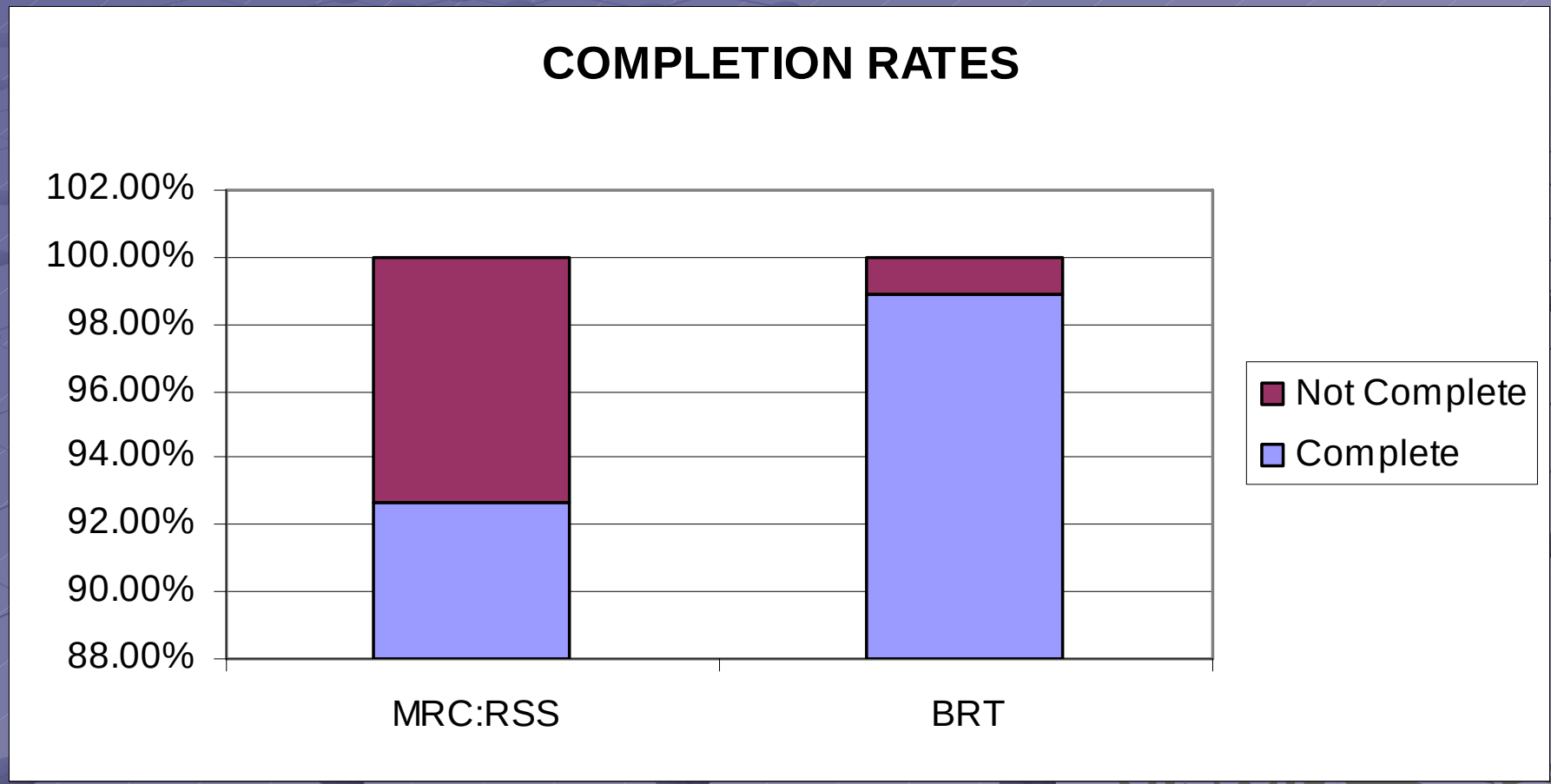
- Feb - June, 2003
- 32 FT Courses
- 36 Instructors Participate
  - 4 Instructor Updates
- 370 Students Trained & Tested in 32 Courses
- 370 Students/31 MRC:RSS Courses Studied for Control Group

TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

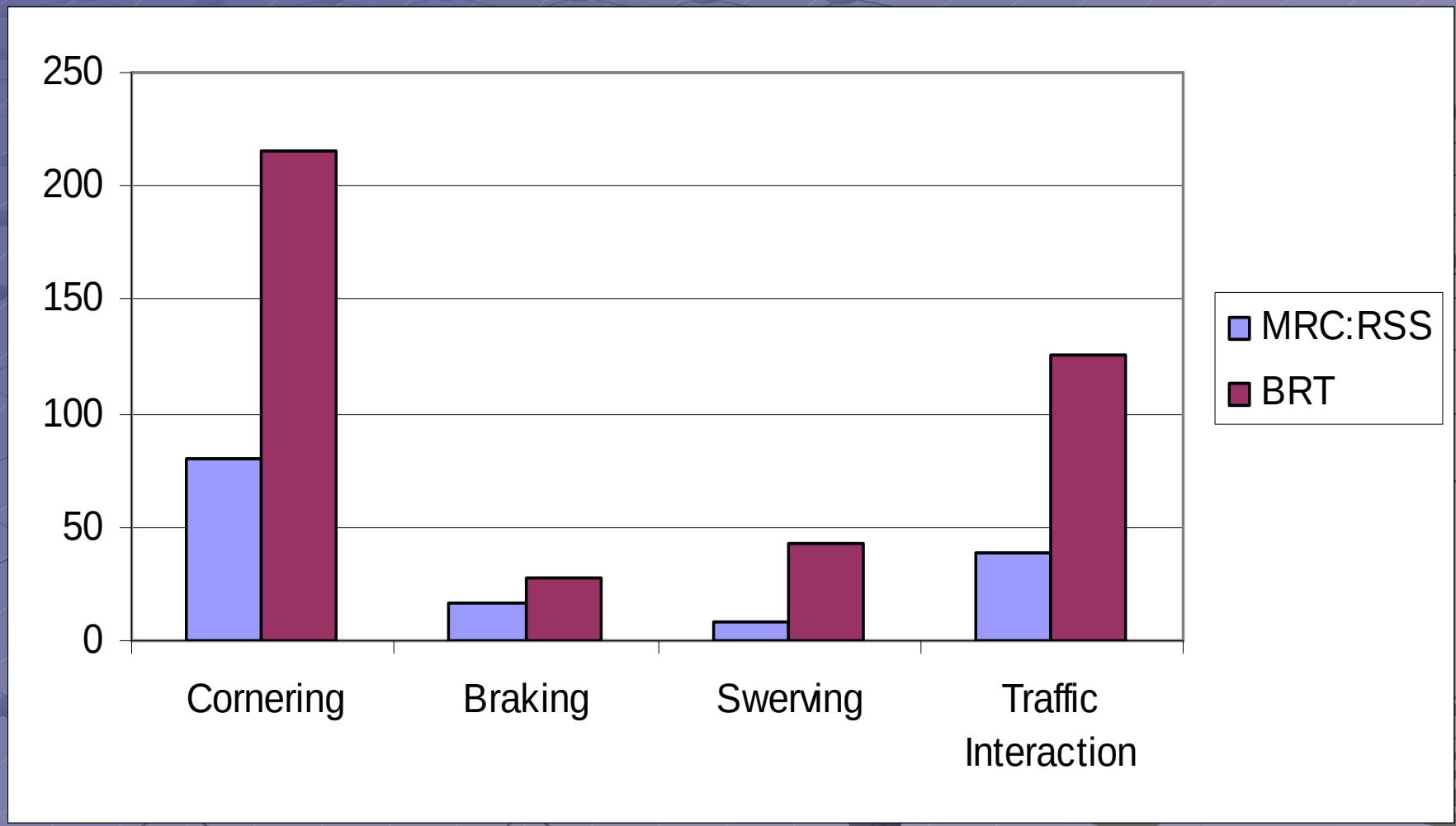
FIELD TEST FINDINGS



FIELD TEST FINDINGS

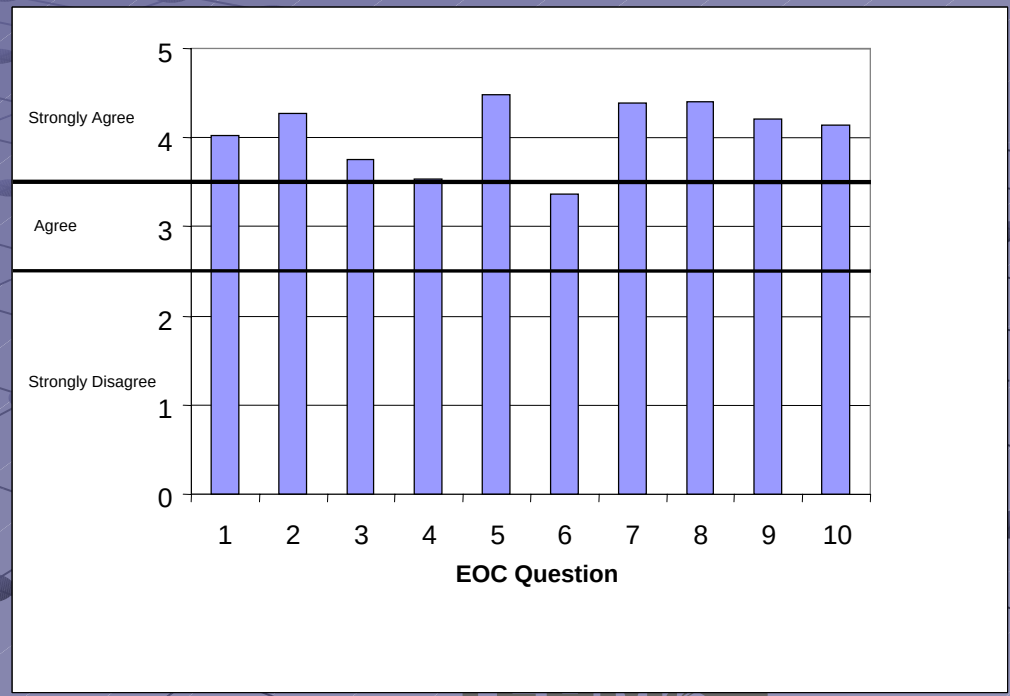


EXPOSURE TO CRITICAL SKILLS



INSTRUCTOR SURVEY

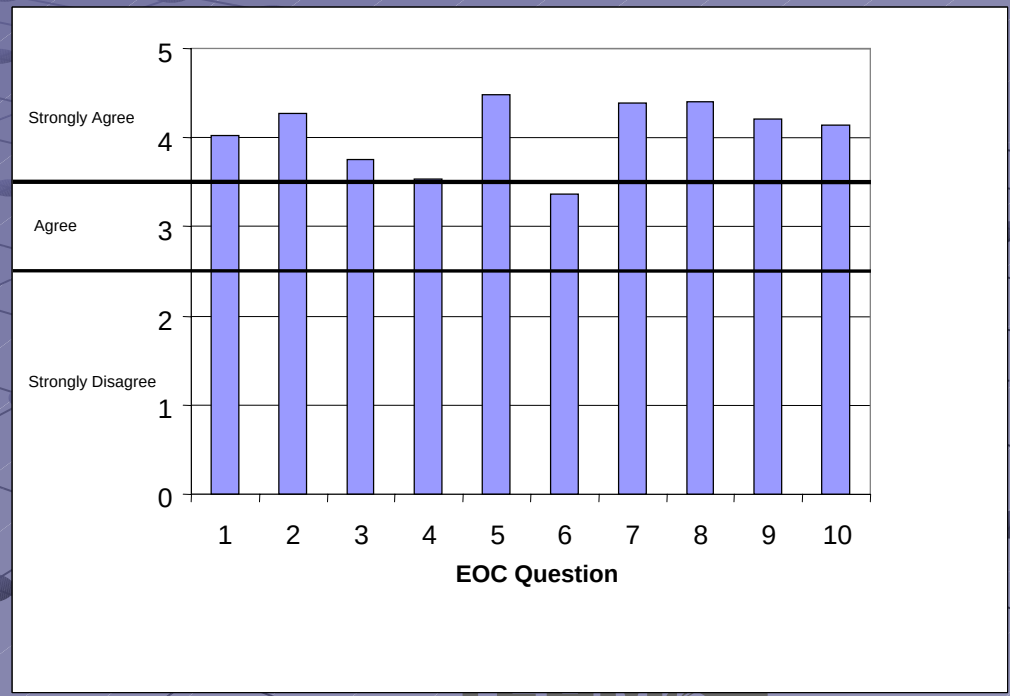
1. Instructor positions – evaluation & coaching
2. Instructor positions - safety
3. Exercises provide adequate coaching opportunity
4. Limited coaching provides needed feedback
5. Fosters positive learning environment



TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

INSTRUCTOR SURVEY

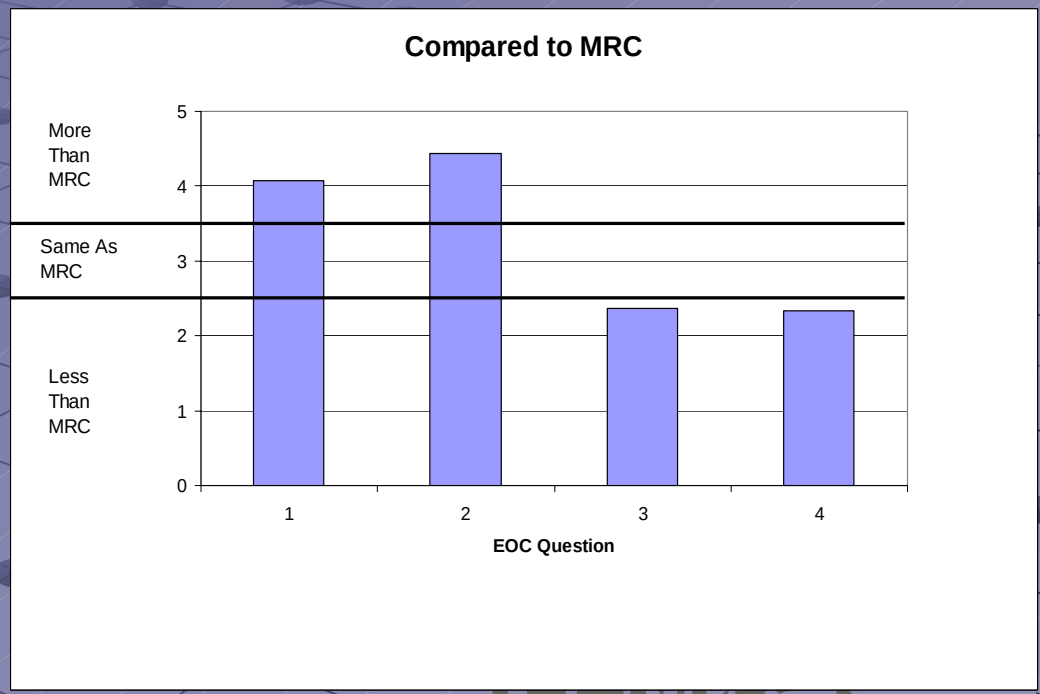
6. Cone movement easily understood/managed
7. BRT pace is appropriate for novices
8. Day 1 exercises adequately develop basic skills
9. Day 2 exercises build knowledge/skill for street riding
10. Training effective at addressing skills found lacking in accident involved motorcyclists

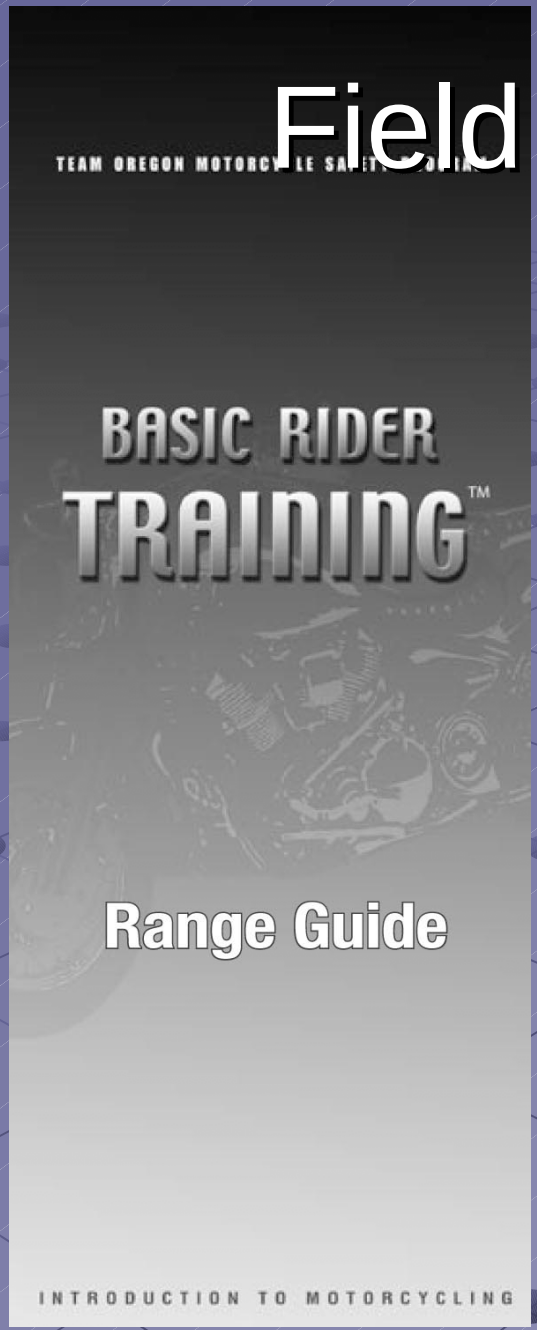


TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

INSTRUCTOR SURVEY

1. Student skill development
2. Development of student confidence
3. Student fatigue/stress
4. Instructor fatigue/stress



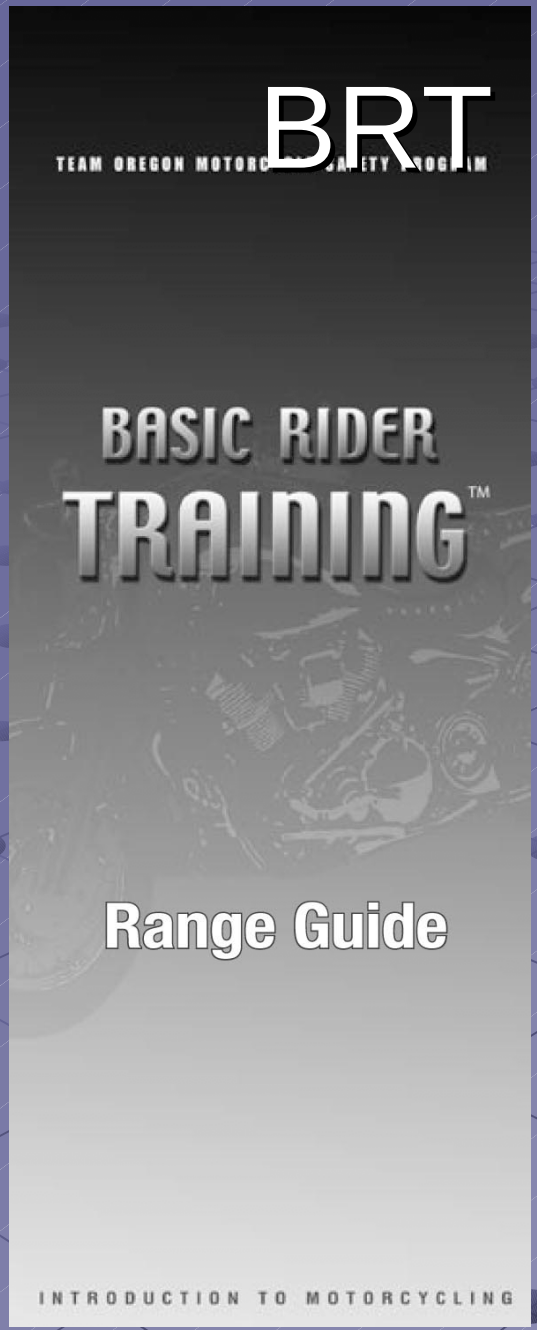


Field Test Summary

- Three field tests – 44 months
  - BRC
  - BRT Classroom
  - BRT Range
- Curricula vetting process
  - Riders Guide; Instructor Guide – 27 iterations
  - Range Guide - 48 iterations

TEAM OREGON MOTORCYCLE SAFETY PROGRAM

BRT Implementation



- January 1, 2004 – Classroom Portion
- January 1, 2005 – Range portion
- Studying
  - Completion/Pass rates
  - In-course crash experience
  - Transfer/DNF rates

TEAM OREGON
MOTORCYCLE SAFETY PROGRAM

For Information Contact:

Steve Garets, Director
TEAM OREGON Motorcycle Safety Program
213 St/AG, Oregon State University
Corvallis, OR 97331-2216
541/737-3845
Steve.Garets@oregonstate.edu